

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A radiation-curable hot melt ink composition comprising:
a colorant;
a polymerizable monomer; and
a photoinitiating system comprising 0.5-1.5% by weight of an aromatic ketone photoinitiator, 2-10% by weight of an amine synergist, 3-8% by weight of ~~an alpha-cleavage type~~
a second photoinitiator different than the aromatic ketone photoinitiator and capable of
undergoing alpha cleavage, and 0.5-1.5% by weight of a photosensitizer.
2. (Original) The radiation-curable hot melt ink composition of claim 1, wherein the polymerizable monomer is a multi-functional monomer.
3. (Original) The radiation-curable hot melt ink composition of claim 2, wherein the polymerizable monomer is an acrylate monomer.
4. (Original) The radiation-curable hot melt ink composition of claim 1, further comprising a diluent.
5. (Original) The radiation-curable hot melt ink composition of claim 4, wherein the diluent is a mono-functional or di-functional monomer.

6. (Original) The radiation-curable hot melt ink composition of claim 5, wherein the polymerizable monomer is a multi-functional monomer.

7. (Original) The radiation-curable hot melt ink composition of claim 6, wherein the polymerizable monomer is an acrylate monomer.

8. (Original) The radiation-curable hot melt ink composition of claim 1, wherein the radiation-curable hot melt ink composition has a viscosity ranging from about 1 centipoise to about 50 centipoise.

9. (Original) The radiation-curable hot melt ink composition of claim 1, further comprising a vehicle.

10. (Currently amended) A radiation-curable liquid ink composition comprising:
a colorant;
a liquid polymerizable monomer; and
a photoinitiating system comprising 2-4% by weight of an aromatic ketone photoinitiator, 5-10% by weight of an amine synergist, 5-10% by weight of ~~an alpha-cleavage type~~ a second photoinitiator different than the aromatic ketone photoinitiator and capable of undergoing alpha cleavage, and 2-4% by weight of a photosensitizer.

11. (Original) The radiation-curable liquid ink composition of claim 10, wherein the polymerizable monomer is a multi-functional monomer.

12. (Original) The radiation-curable liquid ink composition of claim 11, wherein the polymerizable monomer is an acrylate monomer.

13. (Original) The radiation-curable liquid ink composition of claim 10, further comprising a diluent.

14. (Original) The radiation-curable liquid ink composition of claim 13, wherein the diluent is a mono-functional or di-functional monomer.

15. (Original) The radiation-curable liquid ink composition of claim 14, wherein the polymerizable monomer is a multi-functional monomer.

16. (Original) The radiation-curable liquid ink composition of claim 15, wherein polymerizable monomer is an acrylate monomer.

17. (Currently amended) The radiation-curable liquid ink composition of claim 10, wherein the radiation-curable ~~hot melt~~ liquid ink composition has a viscosity ranging from about 1 centipoise to about 50 centipoise.

18. (Currently amended) A printing method, comprising:
printing a radiation-curable hot melt ink composition on a substrate to form an image, the composition comprising a colorant; a polymerizable monomer; and a photoinitiating system comprising 0.5-1.5% by weight of an aromatic ketone photoinitiator, 2-10% by weight of an amine synergist, 3-8% by weight of ~~an alpha-cleavage type~~ a second photoinitiator different than the aromatic ketone photoinitiator and capable of undergoing alpha cleavage, and 0.5-1.5% by weight of a photosensitizer; and
irradiating the image.

19. (Currently amended) A printing method, comprising the steps of:
printing a radiation-curable liquid ink composition on a substrate to form an image, the composition comprising a colorant; a polymerizable monomer; and a photoinitiating system comprising 2-4% by weight of an aromatic ketone photoinitiator, 5-10% by weight of an amine synergist, 5-10% by weight of ~~an alpha-cleavage type~~ a second photoinitiator different than the

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aromatic ketone photoinitiator and capable of undergoing alpha cleavage, and 2-4% by weight of
a photosensitizer; and
irradiating the image.